

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A packet transmission system comprising:
sorting means for sorting a packet according to whether the packet should be transmitted in a unicast form or in a simultaneous packet form by multicast or broadcast;
packet identification information addition means for adding packet identification information to the packet if the packet is sorted as a packet to be transmitted in the simultaneous packet form by the sorting means; and
transmission means for transmitting said packet that is allocated said packet identification information a plurality of times even if the packet transmission system does not receive a retransmission request from a reception side,
wherein said transmission means transmits said packet that is allocated said packet identification information and a redundant packet which is a duplicate of said packet that is allocated said packet identification information, and
wherein said packet and said redundant packet transmitted with the same packet identification information contains an identical sequence number.
2. (Previously Presented) The packet transmission system according to claim 1, further comprising:
compression means for deleting a header of a third OSI (Open Systems Interconnection) layer and a header of a fourth OSI layer of the packet to be transmitted, and making data of a fifth OSI layer carried on a second OSI layer before adding the packet identification information to the packet to be transmitted.
3. (Original) The packet transmission system according to claim 1, wherein said packet is any one of a multicast packet and a broadcast packet.

4. (Cancelled)

5. (Original) The packet transmission system according to claim 1, wherein said packet identification information addition means adds one said packet identification information to each of a plurality of packets to be transmitted.

6. (Original) The packet transmission system according to claim 1, further comprising:

reception means for receiving information on a simultaneous packet loss frequency at the reception side per certain period, wherein

said transmission means changes a transmission parameter based on said information on the simultaneous packet loss frequency.

7. (Original) The packet transmission system according to claim 1, wherein said transmission means transmits said packet allocated said packet identification information, with a MAC (Media Access Control) address common to a plurality of reception devices set as a destination address.

8. (Original) The packet transmission system according to claim 7, further comprising:

means for retransmitting said packet if the packet transmission system does not receive an acknowledgement of transmission of said packet.

9. (Previously Presented) The packet transmission system according to claim 1, further comprising:

determination means for determining whether information equal in type to the packet identification information to be added by the packet identification information addition means is already added to said packet to be transmitted, wherein

if a determination result of said determination means is positive, said packet to be transmitted is transmitted while bypassing said packet identification information addition means.

10. (Original) A wireless LAN base station comprising the packet transmission system according to any one of claims 1 to 9.

11. (Original) A conference server comprising the packet transmission system according to any one of claims 1 to 8.

12. (Currently Amended) A packet reception system comprising:
reception means ~~capable of~~ for receiving duplicate packets that are allocated packet identification information once or a plurality of times without a retransmission request;
sorting means for sorting the received packets according to whether each of the received packets is a simultaneous packet or a unicast packet, and, if the received packet is a simultaneous packet, further sorting the received packet according to whether the simultaneous packet is allocated packet identification information;

determination means for determining, if the received packet is sorted as a simultaneous packet allocated packet identification information by the sorting means, whether the received packet is a duplicate of a simultaneous packet that is previously received by the reception means; and

discard means for discarding the received packet if a determination result of said determination means is positive,

wherein each of said duplicate packets includes a plurality of higher level packets.

13. (Previously Presented) The packet reception system according to claim 12, wherein

each of said packets received has a structure in which data of a fifth OSI (Open Systems Interconnection) layer is directly carried on a second OSI layer, and

the packet reception system further comprises restoration means for restoring a header of a third OSI layer and a header of a fourth OSI layer of each of said packets received.

14. (Original) The packet reception system according to claim 12, wherein each of said packets is any one of a multicast packet and a broadcast packet.

15. (Cancelled)

16. (Original) The packet reception system according to claim 12, further comprising:

counting means for counting a simultaneous packet loss frequency per certain period;

and

transmission means for transmitting information on said simultaneous packet loss frequency.

17. (Original) The packet reception system according to claim 12, further comprising:

holding means for holding a MAC address which is common to a plurality of reception devices, wherein

said reception means receives said packets having said MAC address as a destination MAC address.

18. (Original) The packet reception system according to claim 17, further comprising:

response means for transmitting an acknowledgment to a sender when said packets are received.

19. (Previously Presented) A packet transmission and reception system comprising:

the packet reception system according to claim 12;

detection means for detecting whether said reception means have received the duplicate packets at least once or have not received the duplicate packets at all; and

means for causing a plurality of higher level packets to be included in a packet to be transmitted based on a frequency with which said reception means have not received the duplicate packets at all.

20. (Previously Presented) A wireless LAN terminal comprising the packet reception system according to any one of claims 12 to 14 and 16 to 18.

21. (Previously Presented) A wired LAN terminal comprising the packet reception system according to any one of claims 12 to 14 and 16 to 18.

22. (Original) A wireless LAN terminal comprising the packet transmission and reception system according to claim 19.

23. (Original) A wired LAN terminal comprising the packet transmission reception system according to claim 19.